

## CASE STUDY

# NATIONAL BEVERAGE COMPANY BOOSTS UNITS PICKED PER HOUR BY 93% THROUGH AUTOMATION



### CHALLENGE:

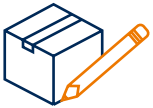
The team faced an opportunity to improve units picked per hour, as low picking density and limited order consolidation led to increased travel between pick locations.

### SOLUTION:



#### Root Cause Analysis Identified:

- Excessive travel required during the picking process
- Multiple handling and scans for each individual order
- Inefficient batching processes with room for optimization



#### Engineering Solution

Tested multiple solutions to eliminate redundancies that included:

- Autonomous Mobile Robots (AMR)
- Alternative warehouse layout design
- Different work flows within the layouts



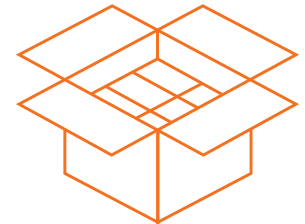
#### Implementation

The ODW team implemented a solution that included the following:

- Nine Autonomous Mobile Robots
- Person to goods solution that eliminated movement and picking inefficiency
- A redesigned layout that created the most efficient workflow in the operation

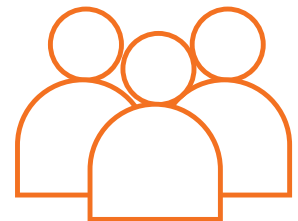
### RESULTS:

Within 6 months of implementation the customer started to see results that included:



# 93%

**IMPROVEMENT  
IN UNITS PICKED  
PER HOUR (UPH)**



# 21%

**REDUCTION  
IN LABOR**